



# HEALTH SCIENCE TECHNOLOGY UPDATE

January 2007

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[http://www.ed.sc.gov/offices/cate/health\\_sciences](http://www.ed.sc.gov/offices/cate/health_sciences)

## 2005–06 CAREER CLUSTER ENROLLMENT



**TOTAL: 11,230 STUDENTS**  
DATA RECEIVED 11/2006

### ENROLLMENT NUMBERS BY COURSES WITH APPROVED ACTIVITY CODES

Practical Nursing (5520)	15	Sports Medicine 1 (5555)	2289
EMS 1 (5530)	466	Sports Medicine 2 (5556)	288
EMS 2 (5531)	32	Gerontology (5560)	102
EMS 3 (5532)	0	Pharmacy Technology (5570)	160
EMS 4 (5533)	0	HST Work-based credit (5590)	28
Med Terminology (5540)	964	SM Work-based credit (5519)	3
HST 1 (5550)	3008	HS-State Board Approved (5598)	52
HST 2 (5551)	1318	HS-Local Board Approved (5599)	78
Intro to Health Science (5554)	2289	<b>Incorrect Activity Codes</b>	<b>242</b>

**Remember the importance of using approved activity codes!**

### Partnership Provides Opportunities for CNAs

By: Brad Bryant

Adapted for the Laurens County Advertiser  
May 2006



**Amanda Abrams**

The good news continued for the health science program at Laurens District 55 High School as National Healthcare in Laurens has joined the Martha Franks Baptist Retirement Center in a partnership which will provide opportunities for students to become certified nursing assistants.

National Healthcare has committed to providing 16 slots (8 per semester) for students interested in becoming CNAs to obtain the required 40 hours of clinical experience in a long term care facility that must be supervised by a nurse. Amanda Abrams, the health science technology teacher at the high school will provide the 40 hours of required theory.

An excited Abrams said with the previous commitment from Martha Franks, at least 24 students a year will have the opportunity to become CNAs, a number that she added could grow up to as many as 32 a year and would not have been possible without this partnership. "This prepares our students for college and the workforce," Abrams said. "It's helping our county and will also impact surrounding counties."

Abrams indicated nearly every healthcare facility is experiencing the effects of a current nursing shortage. She is hopeful this new aspect of the high school program will encourage more students to pursue nursing careers. For many, becoming a certified nursing assistant is the first step towards becoming a nurse. In fact, the nursing program at Piedmont Technical College will not accept students into its nursing program unless they are CNAs.

The final step to complete the partnership is approval from the Department of Health and Human Services of Laurens High School as a state-approved nurse aide training site.\*\* The participating facilities have already met requirements as state-approved training sites.

"The school administration has been very supportive in providing everything needed," Abrams said. "Other career and technology departments at our school have really helped out to make this a reality." The welding program repaired lab equipment and the machine tool program created structures to provide privacy screens for the patient units in the lab.

**\*\*On April 17, 2006, Laurens District 55 High School health science technology program became a state-approved nurse aide training site. This unique partnership is one of many occurring throughout our state to build the pipeline of future healthcare professions. Send us your success stories!**



### South Carolina sponsors Beaufort High School Team to participate in Development of National Biomedical and Health Sciences Secondary Program

Two national organizations with expertise in curriculum design, professional development, program evaluation, and healthcare workforce demands—MPR Associates, Inc. (MPR) and National Consortium on Health Science Technology Education (NCHSTE)—have established a partnership to produce a curriculum for a National Biomedical and Health Sciences Secondary Program (NBHS). This effort aims to improve students' academic achievement at the high school level and encourage more young people to consider a career in healthcare.

Eleven high schools were selected from across the United States to help develop the integrated instructional units. The units are based on problem/project-based learning strategies that address health science topics in a wide array of academic classes, including mathematics, biology and chemistry, English language-arts, government and civics, history, and foreign languages. Integrated content that combines academics and the health sciences will also be infused into health education and physical education courses with a focus on healthy lifestyles and improving students' health status. The states represented include California, South Carolina, Indiana, Illinois, Texas, New York, Idaho, Minnesota, and Utah.



**Mayo Clinic, July 2006**



(L to R) Nancy Allen, (SC Department of Education), Beaufort High School Team: Nancy Ficnerski, Delores Fuller, Brad Smith, Toni D'Imperio, Jerry Kociuruba

Teams of academic and health science teachers and administrators participated in a weeklong institute in the summer of 2005 at the Homestead Resort in Midway, Utah. At that meeting, each team began developing an interdisciplinary, problem-based curriculum unit and prepared to implement and evaluate the units in the classroom in 2005–06.

During the summer of 2006, teams attended their second weeklong institute in Rochester, Minnesota at the world renowned Mayo Clinic. A guided shadowing experience at Mayo allowed teams to observe healthcare practices and procedures that aligned with the units they were preparing. Each department representative spoke on the importance of academic preparation as well as team work, communications, confidentiality and ethical behaviors.

Once these units have been submitted professional curriculum writers will refine the content, format the material with a consistent style, and produce a professional publication. Outside experts will review the material prior to publication. The completed curriculum materials will be distributed to all participating schools and to their state sponsors, along with information about professional development opportunities for other schools and districts that plan to adopt the curriculum units.



## HEALTH SCIENCE AWARDS WINNERS

### 2006 SC EDUCATION & BUSINESS SUMMIT

For 2007 EBS details, visit <http://www.ebsummit.info/>

#### Congratulations!

We are very proud of our health science teachers and partners who were recognized for their excellence in June at the 2006 SC Education and Business Summit.

#### 2006 AWARDS IN REVIEW

##### GOVERNOR'S CAROLINA CAREER AWARDS

DR. CLAUDIO GUARESCHI, SELF REGIONAL HEALTHCARE

##### BARBARA H. JAMES AWARDS FOR

OUTSTANDING CONTRIBUTIONS TO CAREER AND TECHNOLOGY EDUCATION

BRYAN BUTZ, WHITE KNOLL HIGH SCHOOL

##### SC ASSOCIATION FOR CAREER AND TECHNICAL EDUCATION

##### TEACHER OF THE YEAR

MARY POOL, MARION TECHNICAL EDUCATION CENTER

##### OUTSTANDING NEW CAREER AND TECHNICAL EDUCATION TEACHER

LISA WOFFORD, J. HARLEY BONDS CAREER CENTER

## Private Sector Champion of the Year



### Claudio Guareschi, MD

Specialty: Cardiothoracic Surgeon  
Carolina Thoracic Surgery  
Self Regional Healthcare, Greenwood, SC

"Dr. G" provided 3 live Virtual Surgery broadcasts to over 1500 SC high school students.



## Teacher Award Bryan Butz

Health Science

School of Health Science & Human Services Chairman

White Knoll HS

Lexington School District One

## SCACTE Teacher of the Year



### Mary Pool

Marion County Technical Education Center  
School of Practical Nursing

## SCACTE Outstanding New Career and Technical Teacher



### Lisa Wofford

Health Science Technology teacher  
J. Harley Bonds Career Center  
Greenville County Schools



### DEBBIE LARSON

PENDLETON HIGH SCHOOL

NAMED REGION II OUTSTANDING  
NEW CAREER & TECHNICAL EDUCATION TEACHER!!



### Region II

ASSOCIATION FOR CAREER & TECHNICAL EDUCATION



After receiving the award at the 2006 Region II Professional Development Conference, October 12-15 in Mobile, Alabama, Debbie represented our SC HSTE division, SC ACTE, and Region II at the 2006 ACTE Convention and Career Tech Expo in December in Atlanta, Georgia. Congratulations, Debbie!! You made us all proud.....and kept the streak alive.....3 years in row the Region II Outstanding New CTE Teacher has been a health science teacher from South Carolina!!!!





Highlights of the **2006 SC HOSA FALL LEADERSHIP CONFERENCE** held on October 21 can be found at [www.schosa.org](http://www.schosa.org) Official greetings were delivered by US Congressman Joe Wilson, 2<sup>nd</sup> District of South Carolina and National HOSA President-Elect Heather Coggins. This is the first National HOSA president in SC history.

#### 2006-07 SC HOSA STATE OFFICER TEAM

**Photo on right:** (right to left) Danielle Harris (Carolina High and Academy), Secretary; Marie Russell (Floyd D. Johnson Technology Center), Historian; Heather Coggins (Wofford College) National HOSA President-Elect; Krista Haney (R.D. Anderson Applied Technology Center), President; and Joni Cooper (Carolina High and Academy), Vice-President.

**These officers will plan the 2007 SC HOSA State Leadership Conference, March 14–16, North Charleston. Come enjoy:**

- Exciting general sessions
- Educational workshops and leadership activities
- Exhibits presented by professional healthcare associations and colleges
- Competitive events program
- Annual business HOSA meeting
- Opportunity to meet people from across the state with similar career goals
- Fun, excitement, recognition, and opportunity for HOSA members!



#### 2006 FALL LEADERSHIP CONFERENCE SUMMARY

619—Record setting number registered for the conference  
 575—Secondary members registered  
 44—Postsecondary members registered  
 4—State officer candidates participated  
 One Alumni member attended  
 National HOSA officer attended  
 76—Advisors registered  
 6—Guests registered  
 6—Workshops conducted  
 8—Competitive events highlighted  
 3—Exhibitors contributed

The 2006 SC HOSA FLC was the largest fall leadership conference ever. A record-breaking number of 600+ members, advisors, guests and friends attended! Through the hard work of the state officers, state officer advisors, Sharie Cato and Carol Geiger, SC HOSA Board of Directors, and the conference management firm, *The Pennington Group*, a meaningful leadership opportunity was provided for HOSA members and advisors.

**Follow Membership Progress at [www.schosa.org](http://www.schosa.org) (Chapter Spotlight link) and access 2007 State Leadership Conference information on the web.**



The SC delegation attending included (seated l to r) Jason Whaley, Hanna Westside Extension Campus; Petra Jones, Abbeville County Career Center; (standing l to r) Robin Barnes, Thunderbolt Career and Technology Center; Twanda Addison, Lower Richland High School; Monica Adams, Heyward Career and Technology Center; and Grace Decken, Daniel Morgan Technology Center.

#### 2006 HEALTH SCIENCE CURRICULUM CONFERENCE 10<sup>TH</sup> BIENNIAL NATIONAL HEALTH SCIENCE CURRICULUM CONFERENCE

OKLAHOMA CITY, OKLAHOMA

OCTOBER 26–28, 2006

Conference PowerPoint Presentations posted at <http://www.nchste.org/ViewPage.Cfm?NavID=39>

Grace Decken, health science technology teacher at Daniel Morgan Technology Center has received a very prestigious honor from the National Consortium on Health Science Technology Education (NCHSTE). It is noteworthy that only three teachers nationwide met the requirements and received this Certificate of Excellence at our recent 2006 National Health Science Curriculum Conference in Oklahoma City, Oklahoma.

After attending the Institute of Health Science Cluster Excellence in August of 2005, Grace committed herself to completing all components of the portfolio in a professional way. The required criteria was quite challenging—20 hours externship evaluation, resume, 10 one-page reports on personal participation in 10 of the 15 critical components of cluster implementation, a completed integrated unit based on NCHSTE activities, cluster self-evaluation, leadership development, and a presentation at the 2006 curriculum conference. The consortium reviewed the portfolio submitted by Grace and was very pleased to honor her in front of her peers nationwide.

**PLAN TO ATTEND THE  
 2008 NATIONAL HEALTH SCIENCE CURRICULUM CONFERENCE  
 IN RALEIGH, NORTH CAROLINA, OCTOBER 23-25!**



SC HSTE gains two new national board certified teachers in 2006.

**CONGRATULATIONS**  
**CAROL GEIGER, PELION HIGH SCHOOL**  
**DIANE MELTON, RIDGE VIEW HIGH SCHOOL**

[HTTP://WWW.NBPTS.ORG/](http://www.nbpts.org/)

# ***DIRECT***

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#### Spring Institutes

Midlands Technical College • Airport Campus, Columbia

#### **DIRECT Institute 2 – Classroom & Lab Management**

Saturday, January 20, 2007

Saturday, February 3, 2007

Saturday, February 17, 2007

Saturday, March 24, 2007

One assigned master teacher visit

#### **DIRECT Institute 4 – Assessment**

Saturday, January 20, 2007

Saturday, February 3, 2007

Saturday, March 24, 2007

DIRECT 4 participants will observe and summarize a competitive event at the 2007 SC HOSA State Leadership Conference, March 15 or 16

([www.schosas.org](http://www.schosas.org)) for the 4<sup>th</sup> Saturday.

One assigned master teacher visit.

## 2007 SC Health Science Technology Educators

## Professional Development Conference

January 25–27, 2007

*"Providing Bridges for Our Journey"*

Visit <http://www.cateresources.net/2007SCHSTECConference/> for conference details.

Registration deadline: January 8, 2007 to avoid late fees!

### VALUABLE PROFESSIONAL DEVELOPMENT OPPORTUNITY!



Hilton Myrtle Beach  
10000 Beach Club Drive  
Myrtle Beach, SC 29572  
Phone: (843) 449-5000  
Reservations: (866) 454-8309

This is an opportunity for teachers, healthcare partners, and publishers to showcase their programs, teaching strategies, and best practices. Experience creative ways to implement innovative programs and ideas, replicate success, and hear practical tips and approaches. Join teachers from across the state, form networks and build collaboration to enhance health science programming. Make plans now to attend the only event in SC inclusively for health science education featuring motivational general sessions, exciting concurrent sessions, informative roundtable sessions, networking and awards luncheons

#### **SC Health Science Technology Educators Executive Committee**

President: Lisa Wofford, J. Harley Bonds Career Center

President-Elect: Janet Hodge, Academy for Technology and Academics

Secretary: Debbie Larson, Pendleton High School

Treasurer: Lila Abraham, Blythewood High School

Past President: Grace Decken, Daniel Morgan Technology Center

Reporter: Nancy Allen, SC Department of Education

The VSI project, a partnership between the SC Department of Education and the SC Hospital Association will broadcast two orthopedic surgeries this semester. One interactive broadcast will be hosted by Palmetto Health Baptist Columbia and Dr. Robert Peele on February 15 to ten schools identified by the facility. Upstate Carolina Medical Center and Dr. Frank Phillips will conduct the second broadcast, March 5 to another identified ten schools. The project is building on the success of the two pilot sites in the spring of 2004 and broadcasts in December of 2004 at ten schools and December of 2005 at twelve schools. Follow the progress of the project out our newly unveiled Web site. <http://www.virtualsurgery.tv/>

Supporting curriculum for the upcoming knee placement surgeries is posted at <http://www.virtualsurgery.tv/sample2.html>



#### Pharmacy Technology Teacher Training

January 9, 2007, Columbia

#### SC Health Science Technology Educators Professional Development Conference

January 25–27, 2007, North Myrtle Beach–Hilton

#### SC HOSA State Leadership Conference

March 14–16, 2007, N. Charleston–Embassy Suites

April: Autism Awareness Month [www.autismspeaks.org](http://www.autismspeaks.org)

#### 4th Annual Nurse Aide Trainers Workshop

April 18, Columbia

#### Anatomy in Clay Workshop

May 4–5, Location TBA

#### HOSA National Leadership Conference

June 20–23, 2007, Orlando, FLA–Marriott World Center

#### SC Education & Business Summit

June 24–28, 2007, Greenville–Expo Center

Star Your Calendar  
Important Dates to  
Remember